



ARIZONA DEPARTMENT OF ENVIRONMENTAL QUALITY
Water Permits Section

**NOI Supplement for Type 3.02 General Permit
for Process Water Discharges from Water Treatment Facilities [A.A.C. R18-9-D302]**

This General Permit allows for discharges of filtration backwash and discharges from sedimentation and coagulation processes that result from treatment of water to enable its use in an industrial process or as a potable water supply. It does not authorize the discharge of RO reject water or any treatment residues not specifically authorized. If use of such treatment is proposed or project design and siting requirements do not conform to the rule, the owner or operator must obtain an individual APP.

Note: Please ensure that the narrative, design drawings, and any supplemental information provided is comprehensive and adequate to demonstrate conformance with A.A.C. R18-9-D302.

1. Please **attach a narrative description** of the facility to be addressed under this General Permit. Please place a check in the following boxes indicating that you have provided all of the following details in the narrative:
 - " The source and nature of the waters which are treated, and the use of the treated water
 - " The treatment processes and the average daily flow processed by the treatment plant
 - " The discharge area, including a description of the size and construction of impoundments or outfalls for disposal of backwash or sedimentation waters
 - " All discharges to be addressed under this permit by type and volume
2. Have you attached **a characterization of the discharge** which includes:
 - a. A description of the sampling events, including collection and analyses methods, and the laboratory results for sampling a representative sample of the **source water** being treated for all inorganic and organic chemicals and pesticides that have numeric Aquifer Water Quality Standards " yes

- b. A description of the sampling events, including collection and analyses methods, and the laboratory results for sampling a representative sample of the expected **discharge** for all inorganic and organic chemicals and pesticides that have numeric Aquifer Water Quality Standards " yes
 - c. A description of the sampling event, including collection and analyses methods, and the analytical results of a representative sample of the **discharge** for microbiological contaminants per R18-9-D302(A) " yes
Check one of the following as applicable:
 - " Discharge meets a fecal coliform limit, using the membrane filter technique, of two colony forming units per 100 ml (seven sample median) and a single-sample maximum limit of 23 colony forming units per 100 ml, or equivalent numbers using the multiple tube fermentation method
 - " The average daily flow processed by the facility is less than 250,000 gallons and meets a seven-sample median of 200 colony forming units per 100 ml and a single-sample maximum limit of 800 colony forming units per 100 ml for fecal coliform.
3. Does your narrative address how the conditions of the permit will be satisfied, including:
 - a. Documentation that the depth to the static groundwater table is greater than 20 feet in the area of discharge " yes
 - b. A description of the site geology to demonstrate the area of discharge is not immediately above fractured bedrock or karst formations " yes
 - c. Documentation of a 100' horizontal setback between the discharge area and any water supply well " yes
4. Is a **surface impoundment** to be used for discharges " yes " no
 If "yes",
 - a. Have you provided a brief description of the construction, dimensions, depth, and calculated capacity design for the impoundment " yes
 - b. Have you discussed how the impoundment is designed and constructed to accommodate or divert stormwater run-on per R18-9-D302(C)(4) " yes
 - c. Is the impoundment planned to maintain at least 2' of freeboard " yes " no
 If "no", have you provided justification for an alternative freeboard per R18-9-D302(C)(4) " yes